

**CHAPTER 7****LESSON OUTLINE FOR HAZCOM SAFETY BRIEFING FOR THE  
50,000-POUND ROUGH-TERRAIN CONTAINER HANDLER****LESSON TITLE: HAZCOM SAFETY BRIEFING****TASK NUMBER: 453-118-01****A. TRAINING OBJECTIVE.****TASK:** Learn established HAZCOM standards.**NOTE:** Show Transparency 7-1 (Objective).**CONDITION:** Given check-on-learning questions, classroom instruction, and class notes.**STANDARD:** To receive a “GO” for this lesson unit, the student will correctly answer all check-on-learning questions.**B. INTERMEDIATE TRAINING.****Intermediate Training Objective 1****TASK:** After this lesson unit, the student will be knowledgeable of established HAZCOM standards.**CONDITION:** Given check-on-learning questions, classroom instruction, and class notes.**STANDARD:** To receive a “GO” for this lesson unit, the student will correctly answer all check-on-learning questions.**C. ADMINISTRATIVE INSTRUCTIONS.**

1. Training time: As scheduled.
2. Training location: Scheduled classroom with chairs and a power source.
3. Training type: Conference and television tape.
4. Students: Scheduled personnel.
5. Principal and assistant instructors required: One primary instructor for the class.

6. Training aids and equipment: Overhead projector, transparencies, videocassette player, and television.

7. References: Tape 00759 and 29 CFR 1910.1200.

**D. SEQUENCE OF ACTIVITY.**

**1. INTRODUCTION.**

- a. Interest device.
- b. Tie-in.
- c. Lesson Objective (paragraph A).
- d. Procedures.
  - (1) Explanation.
  - (2) Summary.

**2. EXPLANATION AND DEMONSTRATION.** Discuss HAZCOM standards.

**Transparency 7-2**

- The federal government is working to reduce the risk of injury or illness caused by hazardous chemicals in the work place. Accomplishing this goal requires information and communication. Everyone needs to know about the hazardous chemicals they work with, whether the material poses a risk to safety or health, and how to reduce any such risks.

**Transparency 7-3**

- Show and discuss the following HAZCOM tapes.
  - Introduction to HAZCOM.
  - Physical Hazards and Health Hazards.
  - Main Routes of Exposure.
  - Physical Hazards.
  - Health Hazards.
  - Reproductive Hazards.
  - Methods of Controlling Chemical Hazards.

**NOTE:** Conduct a check-on-learning and summarize the learning activity.

**Check-on-Learning**

Q. What does OSHA stand for?

A. Occupational Safety and Health Administration.

Q. What is the purpose of OSHA?

A. Reduce the incidences of injury and illness caused by hazardous chemicals in the work place.

Q. What are physical and health hazards?

A. Physical hazards are chemicals that cause explosions, violent chemical reactions, or other hazardous situations. Health hazards are chemicals that can cause illness or injury when inhaled, swallowed, or through contact with the skin or eyes.

Q. What are the four main routes of exposure?

A. Breathing/inhalation, skin/eye contact, skin/absorption, and swelling/ingestion.

Q. What are the four physical hazards?

A. Compressed gases, explosives, fire hazards, and unstable/reactive chemicals.

Q. What do health hazards include?

A. Irritants that cause reddening, itching, or other irritation on contact with any part of the body. Corrosives that burn or eat away body tissues on contact. Cryogenics that freeze body on contact. Chemicals that damage a specific organ or system. Reproductive hazards that target the reproductive system. Sensitizers that cause an allergic-like response in many people who are repeatedly exposed. Carcinogens that cause cancer.

Q. What do Reproductive Hazards include?

A. Mutagens that damage genes in egg or sperm cells. Teratogens that damage the fetus during development.

Q. What are the basic methods of controlling chemical hazards?

A. Engineering controls, personal protective equipment, and administrative controls.

3. **PRACTICAL EXERCISE.** None.

4. **EVALUATE.** Students are evaluated by exam 9G5-301-08.

5. **SUMMARY.** Show Transparency 7-4.

- a. Recap main points.
- b. Allow for questions.
- c. Clarify questions.
- d. Give closing statement.

6. **RETRAINING.** Retrain and retest NO-GOs after normal duty hours.

**E. SAFETY RESTRICTIONS.** None.

**F. ENVIRONMENTAL CONSIDERATIONS.** None.

**G. ADDITIONAL COMMENTS AND INFORMATION.** Recommended instructional time is 1.0 hour (30 minutes for conference and 30 minutes for television tapes).